

## CLAIMS

What is claimed is:

1. A method for resolving testcase collection inconsistencies between a testcase list which includes testcases that have triggered harvest events within a simulation model, and a harvest hit table which records harvest events that have been triggered during simulation of said simulation model, said method comprising:

updating said harvest hit table from a simulation client to include a harvest event triggered by a testcase during simulation of said simulation model;

collecting said testcase within said testcase list; and

comparing testcases identified within said testcase list to testcases identified within said harvest hit table to determine inconsistencies therebetween.

2. The method of claim 1, wherein said testcase list is maintained by a harvest testcase server which collects harvest event testcases for said simulation model, said method further comprising:

retrieving harvest event data for said harvest event that has been triggered within said simulation client;

comparing said retrieved harvest event data with a list of harvest events that have previously been triggered within said simulation model; and

responsive to determining that said harvest event has not been previously triggered within said simulation model, delivering said testcase to said testcase server.

1           3.       The method of claim 1, wherein said comparing said testcase list to said harvest  
2 hit table further comprises, responsive to finding a given harvest event within said  
3 harvest hit table that does not correspond to a collected testcase within said testcase list,  
4 removing said given harvest event from said harvest hit table.

1           4.       The method of claim 1, wherein said harvest hit table includes a single testcase  
2 entry for each triggered harvest event within said simulation model, said comparing said  
3 testcase list to said harvest hit table further comprising, responsive to finding a collected  
4 testcase in said testcase list which does not correspond to an entry within said harvest hit  
5 table removing said non-corresponding testcase from said testcase server.

1           5.       The method of claim 4, wherein said harvest hit table is maintained by an  
2 instrumentation server, said removing said non-corresponding testcase from said testcase  
3 server comprising including said non-corresponding testcase in a redundant testcase list  
4 within said instrumentation server.

1           6.       The method of claim 5, wherein said testcase server includes a harvest testcase  
2 bucket which maintains all testcases triggering harvest events for said simulation model,  
3 said method further comprising:

4                   delivering said redundant testcase list from said instrumentation server to said  
5 testcase server; and

6                   removing testcases included within said redundant testcase list from said harvest  
7 testcase bucket.

1           7.       A system for resolving testcase collection inconsistencies between a testcase list  
2           which includes testcases that have triggered harvest events within a simulation model,  
3           and a harvest hit table which records harvest events that have been triggered during  
4           simulation of said simulation model, said system comprising:

5                   processing means for updating said harvest hit table from a simulation client to  
6           include a harvest event triggered by a testcase during simulation of said simulation  
7           model;

8                   processing means for collecting said testcase within said testcase list; and

9                   processing means for comparing testcases identified within said testcase list to  
10          testcases identified within said harvest hit table to determine inconsistencies  
11          therebetween.

1           8.       The system of claim 7, wherein said testcase list is maintained by a harvest  
2           testcase server which collects harvest event testcases for said simulation model, said  
3           system further comprising:

4                   processing means for retrieving harvest event data for said harvest event that has  
5           been triggered within said simulation client;

6                   processing means for comparing said retrieved harvest event data with a list of  
7           harvest events that have previously been triggered within said simulation model; and

8                   processing means responsive to determining that said harvest event has not been  
9           previously triggered within said simulation model for delivering said testcase to said  
10          testcase server.

1           9.     The system of claim 7, wherein said processing means for comparing said  
2     testcase list to said harvest hit table further comprises processing means responsive to  
3     finding a given harvest event within said harvest hit table that does not correspond to a  
4     collected testcase within said testcase list for removing said given harvest event from said  
5     harvest hit table.

1           10.    The system of claim 7, wherein said harvest hit table includes a single testcase  
2     entry for each triggered harvest event within said simulation model, said processing  
3     means for comparing said testcase list to said harvest hit table further comprising  
4     processing means responsive to finding a collected testcase in said testcase list which  
5     does not correspond to an entry within said harvest hit table for removing said non-  
6     corresponding testcase from said testcase server.

1           11.    The system of claim 10, wherein said harvest hit table is maintained by an  
2     instrumentation server, said processing means for removing said non-corresponding  
3     testcase from said testcase server comprising processing means for including said non-  
4     corresponding testcase in a redundant testcase list within said instrumentation server.

1           12.    The system of claim 11, wherein said testcase server includes a harvest testcase  
2     bucket which maintains all testcases triggering harvest events for said simulation model,  
3     said system further comprising:

4                 processing means for delivering said redundant testcase list from said  
5     instrumentation server to said testcase server; and

6                 processing means for removing testcases included within said redundant testcase  
7     list from said harvest testcase bucket.

1 13. A computer program product for resolving testcase collection inconsistencies  
2 between a testcase list which includes testcases that have triggered harvest events within  
3 a simulation model, and a harvest hit table which records harvest events that have been  
4 triggered during simulation of said simulation model, said computer program product  
5 comprising:

6 program instructions for updating said harvest hit table from a simulation client  
7 to include a harvest event triggered by a testcase during simulation of said simulation  
8 model;

9 program instructions for collecting said testcase within said testcase list; and

10 program instructions for comparing testcases identified within said testcase list  
11 to testcases identified within said harvest hit table to determine inconsistencies  
12 therebetween.

1 14. The computer program product of claim 13, wherein said testcase list is  
2 maintained by a harvest testcase server which collects harvest event testcases for said  
3 simulation model, said computer program product further comprising:

4 program instructions for retrieving harvest event data for said harvest event that  
5 has been triggered within said simulation client;

6 program instructions for comparing said retrieved harvest event data with a list  
7 of harvest events that have previously been triggered within said simulation model; and

8 program instructions responsive to determining that said harvest event has not  
9 been previously triggered within said simulation model for delivering said testcase to  
10 said testcase server.

1 15. The computer program product of claim 13, wherein said program instructions  
2 for comparing said testcase list to said harvest hit table further comprises program  
3 instructions responsive to finding a given harvest event within said harvest hit table that  
4 does not correspond to a collected testcase within said testcase list for removing said  
5 given harvest event from said harvest hit table.

1 16. The computer program product of claim 13, wherein said harvest hit table  
2 includes a single testcase entry for each triggered harvest event within said simulation  
3 model, said program instructions for comparing said testcase list to said harvest hit table  
4 further comprising program instructions responsive to finding a collected testcase in said  
5 testcase list which does not correspond to an entry within said harvest hit table for  
6 removing said non-corresponding testcase from said testcase server.

1 17. The computer program product of claim 16, wherein said harvest hit table is  
2 maintained by an instrumentation server, said program instructions for removing said  
3 non-corresponding testcase from said testcase server comprising program instructions for  
4 including said non-corresponding testcase in a redundant testcase list within said  
5 instrumentation server.

1 18. The computer program product of claim 17, wherein said testcase server includes  
2 a harvest testcase bucket which maintains all testcases triggering harvest events for said  
3 simulation model, said computer program product further comprising:

4 program instructions for delivering said redundant testcase list from said  
5 instrumentation server to said testcase server; and

6 program instructions for removing testcases included within said redundant  
7 testcase list from said harvest testcase bucket.